Mapline

A quarterly newsletter published by
The Hermon Dunlap Smith Center for the History of Cartography
at The Newberry Library

Number 27, September, 1982 **David Bosse,** *Editor*

Maximilian Expedition Sesquicentennial

Title cartouche from the map accompanying Maximilian's account of the journey. *Photo by F. Peter Weil*

IN THE EARLY 1950's a discovery of substantial importance was made by military occupation forces in Germany at the estate of Maximilian of Wied-Neuwied, on the Rhine near Koblenz. A massive collection of working sketches, illustrations, and copperplates of Carl Bodmer, artist to Prince Maximilian, were brought to light. This art work forms part of the record of the Prince's historic expedition to the Missouri River country in 1833-1834. Through the efforts of Edward E. Ayer at the turn of the century, the Newberry Library acquired 43 Bodmer illustrations. Stanley Pargellis,

(continued on next page)

The Hermon Dunlap Smith Center for the History of Cartography Director: **David Buisseret**

The Center was founded in 1972 at The Newberry Library to promote the study of the history of cartography through research projects, fellowships, courses of instruction, and publications. Further information is available on request.

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president of the Library in the early 1950's, actively sought to have these rediscovered items displayed in the United States. A touring exhibit consisting of 118 Bodmer watercolors was co-sponsored by the Smithsonian Institution and the Newberry Library in November, 1953. The collection was shown for a number of years, and in 1962 the remaining material in Germany and the traveling items were purchased by the Northern Natural Gas Company (Internorth). They are now part of the permanent collection of the Joslyn Art Museum in Omaha, Nebraska.

As one of the few depositories of original Bodmer material, the Newberry Library is celebrating the sesquicentennial of the Maximilian expedition in the form of its annual calendar. The Library is being aided in the project with financial support from the Center for Great Plains Studies at the University of Nebraska, and through cooperation from the staff of the Joslyn Art Museum. Captions, historical notes, and maps of the expedition route accompany twelve Bodmer illustrations, reproduced in color, from the Newberry's collection. The calendar, with bilingual text in both English and German, will be available this September.

Maximilian's Missouri River Expedition was preceded by his first major excursion into collecting in the natural sciences. In 1815 he ventured into the interior of Brazil to study the Indian peoples and gather specimens. Upon his return to Germany he prepared a publication of his findings and illustrated the volume with his own drawings. This resulted in considerable acclaim of his contributions as a scientist.

His position as a gentleman scientist allowed Maximilian to finance a trip to the interior of North America with which to compare his earlier findings. Having learned his limitations as a fieldworker, he set out to gather what today would be termed a research team. To assure the proper collection and preparation of animals, the services of hunter and taxidermist David Dreidoppel were enlisted. Bodmer, the young Swiss artist, was contracted to accompany the party and record details of the places and peoples encountered.

In 1832 the three men left for North America. Upon reaching St. Louis, Maximilian decided to visit the posts of the American Fur Company on the Upper Missouri. On 10 April, 1833 they steamed upstream on the packet *Yellowstone,* in turn reaching Ft. Clark at the Mandan villages, Ft. Union among the Assiniboine, and Ft. McKenzie among the Blackfeet and Gros Ventre peoples. By the onset of winter the party had retraced its steps to Ft. Clark, near present day Bismarck, North Dakota. In the spring of 1834 the expedition returned to St. Louis, continued up the Ohio Valley to New York, and left for Europe in July.

Throughout their journey on the Missouri, Maximilian kept detailed field notes to accompany the notebooks being filled by Bodmer. The artist captured the beauty of nineteenth century Plains Indian peoples as no other artist of his time; his descriptive precision

Working sketch of the campfire scene in Bodmer's famous illustration of the interior of a Mandan Earth Lodge Dwelling.

represents an ethnological and artistic achievement. Only a small number of Bodmer's renderings of animals, landscapes, and people were included in the *Bilderatlas* which Maximilian published to illustrate his journals between 1839 and 1841. With the completion of the expedition, Bodmer moved to Paris to paint landscapes and illustrate periodicals.

The Newberry Library 1983 calendar will be available from the Newberry bookstore, 60 W. Walton St., Chicago, IL 60610 for $6.95.

Publications

Day, Alan E. *Discovery and Exploration. A Reference Handbook: The Old World.* Munich; New York: K.G. Saur, 1980. (DM 68, approx. $28.00, K.G. Saur, 175 Fifth Ave., New York, NY 10010).

As stated in the Preface, *this handbook is definitely not a definitive bibliography of geographical discovery. There is a great deal of material here; however, the reader may have some difficulty in discovering its principle. Day has compiled 455 entries in an alphabetical arrangement of personal names, titles, and organizations. Some entries include a "bibliography" or list of "sources" of English - language publications. There is a regional index to entries which is difficult to use because of unclear typography and the omission of individual titles listed under some entries (e.g., "Hakluyt Society"). The author/title index to the "bibliographies" and "sources" sections is also incomplete. The book is an agglomeration of information, both obvious and obscure, presented in a confusing and idiosyncratic manner.*

Degrees of Discovery: From New World to New Orleans / Exhibition developed and catalog researched by John A. Mahle II — New Orleans: The Historic New Orleans Collection (533 Royal St., 70130), [1979?]

This handsome exhibition catalogue reproduces twenty-five maps (four in full color) documenting the history of Louisiana and the Gulf region from 1513 to 1866. The maps are very well reproduced and several are uncommon items that are seldom seen. There is a useful introduction and a complete list of items exhibited. Although not exactly a recent publication, this catalogue was new to us and is definitely worth noting.

Kingsley, David. Printed Maps of Sussex, 1575-1900. Lewes, England: Sussex Record Society, 1982. Volume 72 of the Sussex Record Society series, issued to members for the years 1980-1981. (£20.00, Sussex Record Society, Barbican House, High St., Lewes BN7 1YE).

This volume is a catalog of 155 printed maps of Sussex. The maps are discussed in great detail, providing information on authorities, dates, editions, derivation, biographical notes, measurements, and place names. There is also a section on roadbooks, Ordnance Survey Sheets, and manuscript and regional maps. Reproductions of the maps, numbering 41 plates in all, leave something to be desired in their quality. The book is enlivened by Helen Wallis' introduction, and will become indispensable for students of Sussex maps and, it is to be hoped, of Sussex history.

Presettlement Prairie of Missouri / by Walter Schroeder and Mike Haeffner. Missouri Department of Conservation, 1982 ($5.00 from Missouri Department of Conservation, Natural History Section, P.O. Box 180, Jefferson City, MO 65102).

Measuring 109x127 cm., this three-color map shows range and township lines, county outlines and names, major towns and cities, railroads, drainage, and historic names of 194 prairies, as indicated on the original land office plats.

Robinson, Arthur H. *Early Thematic Mapping in the History of Cartography.* Chicago: University of Chicago Press, 1982. ($35.00, University of Chicago Press, 11030 S. Langley Avenue, Chicago, IL 60628).

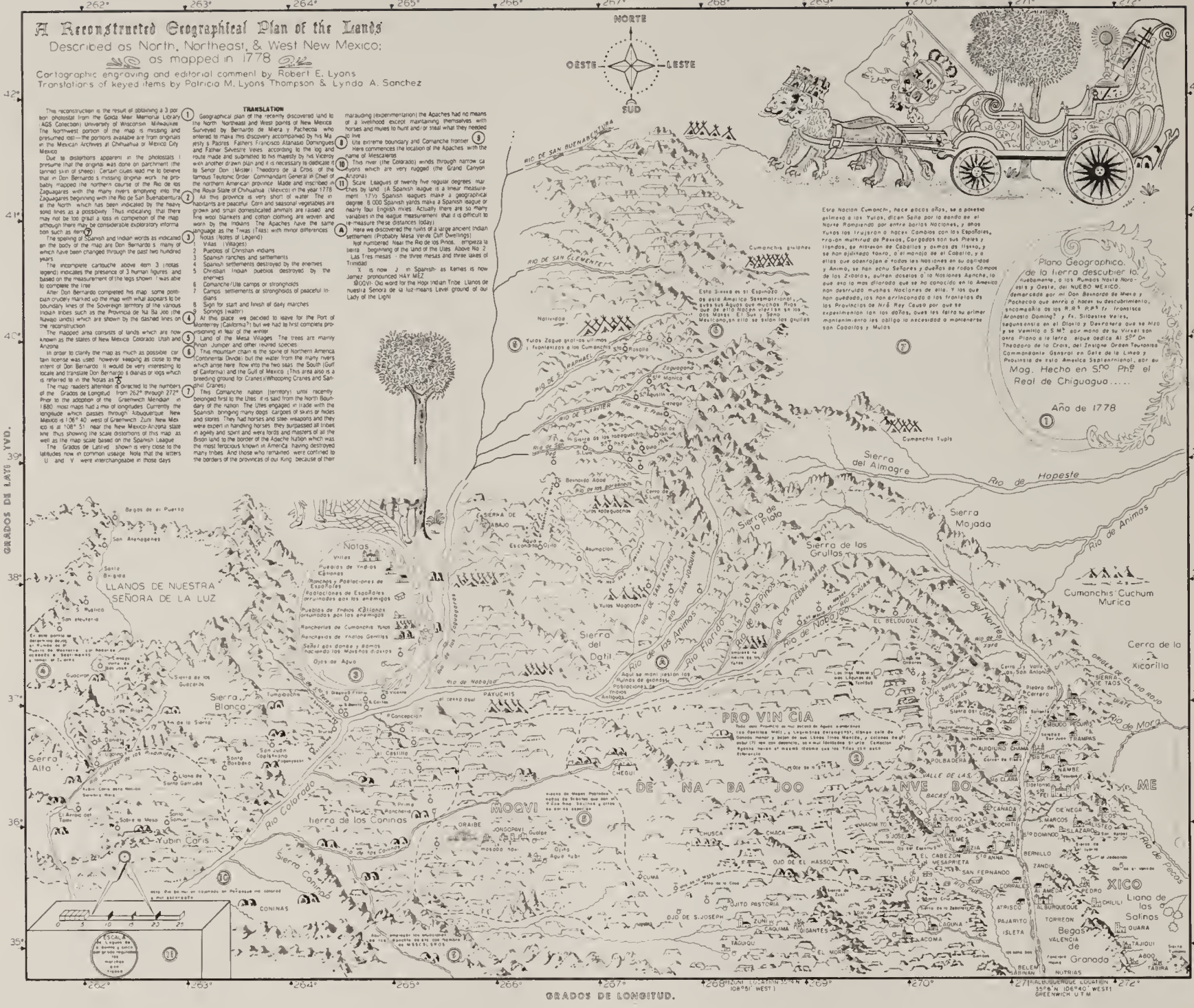
Robinson describes and analyzes the evolution of thematic cartography from its beginnings in the late seventeenth century until the mid-nineteenth century. This growth is placed in the context of intellectual, cultural, social, and economic trends. After a general discussion of thematic mapping and chronological overview, the book examines important developments in mapping of the physical environment, the activities of people, and the social environment. It concludes with an analysis of techniques and symbols used in early thematic mapping. Thoroughly documented and extensively illustrated, this is a major piece of scholarship.

Stewart, Lowell O. *Public land surveys: History, instructions, methods.* Minneapolis: Meyers Printing Co., 1976 ($12.95 from Landmark Enterprises, 10324 Newton Way, Rancho Cordova, CA 95670)

For those of you who missed it when first published in 1935, this is your chance to own what is still the best history of the public lands surveys from the surveyor's point of view. Beginning with a chapter on the establishment of the survey, including discussion of the New England and other precedents of the six-mile square township, Stewart goes on to discuss the early years of the Surveyor General's Office, standards and field examinations, fraudulent surveys, the contract system, techniques of running lines and establishing corners, and the use of Burt's Solar Compass for establishing meridians. A very interesting chapter on the "Workaday life of early surveyors" quotes extensively from diaries of surveyors in Iowa, Wisconsin, and Michigan and increases our respect for the quality of work that these men did. A final chapter includes excerpts from various official instructions to surveyors (printed more completely in Minnick's Collection, *reviewed in* Mapline *26). This is a useful and well-made reprint at a reasonable price.*

Walker, Paul K. *Engineers of Independence. A Documentary History of the Army Engineers in the American Revolution, 1775-1783.* Washington: Government Printing Office, 1982. (Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402).

Consisting largely of excerpts from original documents, this history of military engineering forms an interesting background to the cartography of the period. The letters, journals, and reports of the men responsible for mapping and constructing defenses during the war provide insight into the enormous challenge with which they were faced. The arrangement of the book is primarily that of campaigns. The nearly 400 pages of text are illustrated with maps, plans, views, and portraits. A glossary of engineering terms as well as extensive notes and bibliography are included.


A Reconstructed Geographical Plan of the Lands
Described as North, Northeast, & West New Mexico;
as mapped in 1778
Cartographic engraving and editorial comment by Robert E. Lyons
Translations of keyed items by Patricia M. Lyons Thompson & Lynda A. Sanchez
TRANSLATION
GRADOS DE LONGITUDO
GRADOS DE LONGITUD.
NORTE
OESTE
LESTE
SUD
Plano Geographico, de la tierra descubierta, nuebamente, a los Rumbos Norte Noroeste y Oeste, del NUEBO MEXICO, demarcada por mi Don Bernardo de Miera y Pacheco que entro a hacer su descubrimiento, encomendia os los N.R.S P.S fr. Francisco Aronsio Domingz y fr. Silvestre Velez, segunsemia en el Diesto y Desnaero que se hizo y se Vemicio a S.M. por mano de su Virsei con otro Plano a la tierra aque sedica Al S.or Dn Thopdoro de la Cros, del Insigne Orden Teutonico Commendante Gnsrol en Gefe de la Linea y Provinsia de esta Amesica Septentrional, por su Mag. Hecho en S.to Phe el Real de Chiguagua.....
Año de 1778
Cumanchis Tupis
Cumanchis Cuchum Murica
LLANOS DE NUESTRA SEÑORA DE LA LUZ
PRO VINCIA DE NA BA JOO
MOQVI
Sierra del Almagre
Rio de Hapeste
Sierra Mojada
Rio de Animos
Sierra de los Grullos
Sierra del Datil
Sierra Blanca
Sierra Alta
Tierra de los Caninas
Cerro de la Xicorilla
Rio del Norte
Rio de Pecos
Rio Colorado
Rio de San Buenabentura
Rio de S.t Rafael
Rio de S.t Xavier
Rio de S.t Joaquin
Rio de los Animos
Rio Florido
Rio de los Pinos
Rio de Nabajoa
Rio de la Piedra Parada
Rio de S.t Juan
Rio de Morra
Rio de el Cerro Azul
Rio de la Yerba
Rio de S.t Lucas
Rio de S.t Bernardo
Rio de S.t Lorenzo
Rio de S.t Agustin
Rio de S.t Monica
Rio de Zaguagoa
Rio de Nativedad
Rio de S.t Elzeario
Rio de S.t Sabina
Rio de S.t Ana
Rio de S.t Joseph
Rio de S.t Diego
Rio de S.t Marcos
Rio de S.t Domingo
Rio de S.t Lazaro
Rio de S.t Pedro
Rio de S.t Ysidro
Rio de S.t Ana
Rio de S.t Fernando
Rio de S.t Miguel
Rio de S.t Antonio
Rio de S.t Juan

these as three separate types: a) Undecorated, b) Tree and Serpent, and c) Bearded Indian. Of this latter variety four versions exist. Lyons' reconstruction is based on TYPE C, COPY 2, an original of which is located at the National Archives in Mexico City. Wheat believed that Miera drew the prototype of this map in Chihuahua late in 1777.

The lack of the northwest quadrant severely limits Lyons' version of the map. The drawing of the "bearded Utes", a motif recognized by Wheat in his classification of the maps, is unfortunately missing. Other important features absent are Laguna de los Timpanogos (Lake Utah), Laguna de Miera (Sevier Lake), and notes referring to the Great Salt Lake which the travelers learned of from local Indians. Relying on incomplete information, Lyons has incorrectly shown Rio de San Buenaventura and Rio de San Clemente as tributaries of Rio de los Zaguagaros (the upper Colorado). Miera portrays them as draining into Laguna de Miera.

One wonders why Lyons, who has obviously put a great deal of effort into the reconstruction, did not secure a complete copy from which to work. In fact, a redrawn version of this exact map accompanies Herbert E. Bolton's *Pageant in the Wilderness* (Utah Historical Society Quarterly, vol. 18, 1950). To his credit, Lyons has included extensive notes on his map, and has translated many of Miera's comments. A limited edition of the map (hand colored, measuring 22x26 inches) is available for $37.50 postpaid from Robert E. Lyons, 10019 Fairfax Court N.W., Albuquerque, New Mexico 87114.

Exhibition

The Museum and Library of Maryland History has announced the opening of a major map exhibit, "The Mapping of Maryland 1590-1914: An Overview". The exhibit will run from 10 September to 26 December, 1982. W. Graham Arader, III will be the guest speaker at the reception for the opening on September 10. For further information contact:

Cathy Snead
The Maryland Historical Society
201 W. Monument St.
Baltimore, MD 21201
(301) 685-3750

Scotch Threesome

The National Library of Scotland has recently published three facsimile maps from their collection. The first is *Edenburgum, Scotiae Metropolis* by Braun and Hogenburg, from volume three of their Civitates Orbis Terrarum, Cologne, 1572-1618. This view first appeared *ca.* 1582 and may have been based on an earlier drawing of 1573. John Speed's *Kingdome of Scotland,* published in London by Roger Rea *ca.* 1662 is second in the set. It is derived from Mercator's map of Scotland of 1595 and contains curious portraits of four Scots in Highland and Lowland dress around the border. Finally, there is Carel Allard's *Planisphaerium Terrestre, Sive Terrarum Orbis...*, published in Amsterdam *ca.* 1700. The map consists of ten planispheres and is an attractive depiction of the geographical knowledge of the time. Each facsimile is accompanied by brief notes. They are available for £1.50, £1.75, and £2.00 respectively. Postage and handling are additional. For more information contact:

Margaret Wilkes
Map Room
National Library of Scotland
Causewayside, Edinburgh EH9 1PH

Avelino Teixeira da Mota

VICE-ADMIRAL AVELINO TEIXEIRA DA MOTA, who died on April 1, 1982, was a remarkable scholar and a man of action, who in some ways resembled the Renaissance Portuguese pioneers about whom he wrote so well. He became successively an anthropologist, an ethno-historian, and a historian of cartography and of natural science, who had few equals and no superiors in his chosen fields. He is perhaps best known as the co-author, with the late Armando Cortesao, of the truly monumental *Portugaliae Monumenta Cartographica* (6 vols., 1960-63). But he also published hundreds of articles, and scores of monographs and books, all of high quality, as remarkable for the width of their range as for the depth of their erudition.

A polymath who lectured fluently in Spanish, English, and French, he was a frequent visitor to the UK and the USA, as well as to Black Africa. He was an unassumingly modest man, always willing to help others, whether Portuguese or foreigners. His death at the height of his intellectual powers would have occurred even sooner, but for the devoted ministrations of his wife, which enabled him to continue his work until the very end.

—*Times (London)*

Symposium

ON DECEMBER 1, 1982, the University of Texas at Arlington will be sponsoring a symposium on the mapping of the American Southwest. Listed below is a schedule of events.

Session I 8:00 A.M.

Cartographic History Library, UTA Library, Level 6

Introduction: Kathleen Underwood, The University of Texas at Arlington

Speaker: Dennis Reinhartz, the University of Texas at Arlington "Herman Moll, Cartographer: An Early Eighteenth Century European View of the American Southwest."

Session II 9:30 A.M.

Cartographic History Library, UTA Library, Level 6

Introduction: Charles C. Colley, The University of Texas at Arlington

Speaker: Robert Martin, The University of North Carolina "Contributions to the Mapping of the American Southwest, 1845-1850"

Session III 11:00 A.M.

Cartographic History Library, UTA Library, Level 6

Introduction: Preston Figley, Old Maps and Prints, Fort Worth

Speaker: Judith A. Tyner, California State University "Historic Atlases of the American Southwest"

Dinner — 7:00 P.M.

Red River Room, E.H. Hereford University Center

Presiding: Stanley H. Palmer

Welcoming remarks by President W.H. Nedderman

Introduction: Mr. Jenkins Garrett

Speaker: John Parry, Professor of Oceanic History, Harvard University "The Early Exploration of the Texas Gulf Coast Region"

Direct inquiries to:

Charles C. Colley
Director of Special Collections
P.O. Box 19497
The University of Texas at Arlington Library
Arlington, Texas 76010

Photo by F. Peter Weil

Map of the Whole World Ocean

HERE IS PORTRAYED the connected world ocean uninterrupted by the edge of the map and shown in its entirety. The map was designed by Athelstan Spilhaus, an oceanographer with a long list of credentials. Mr. Spilhaus established the Department of Oceanography and Meteorology at New York University and later became dean of the Institute of Technology at the University of Minnesota. He has also served as president of the Franklin Institute and both president and board chairman of the American Association for the Advancement of Science.

The Spilhaus map employs an oblique Hammer equal area projection. The areal relationship of oceans and land masses is correct and can thus be accurately compared. Through the choice of unique interruptions, in this case natural boundaries rather than latitude, longitude, or great circles, the continents fringing the world ocean are shown in their entirety as well. The map grid is computer drawn so that data by latitude and longitude can be easily entered. In addition to the equal area map Mr. Spilhaus has produced two conformal maps of the whole world ocean. For more information concerning these maps contact:

Athelstan Spilhaus
Box 1063
Middleburg, VA 22117

Call For Papers

The Tenth International Conference on the History of Cartography will be held at Trinity College, University of Dublin from 29 August to 2 September, 1983, under the auspices of the Royal Irish Academy. This year's conference will focus on the themes of colonial cartography, the cartographer's methods and sources, agrarian cartography, and the history of map collecting. Papers on other topics will be considered for inclusion, time permitting. All papers should be based on original research or should otherwise represent new thinking. Presentations should not exceed twenty minutes in length, with a maximum of ten minutes for discussion. All papers must be submitted in advance and will be subject to acceptance by the Programme Committee. Abstracts of 300 words or less should reach the Committee by 31 October, 1982; full papers by 1 March, 1983. Address all correspondence to:

Tenth International Conference
on the History of Cartography
12 Pembroke Park
Dublin 4
Ireland

The Map and Geography Round Table of the American Library Association will be meeting in Los Angeles, 26 June - 1 July, 1983. Papers on the following themes are welcomed: Mapping the Transmississippi West, Maps as Reference Tools, The Basics of Handling Maps, and The Map Library Network. In addition, papers are sought on themes relating to maps as historical documents, geographic tools, or information sources. Spoken presentations should be restricted to twenty minutes. Titles and abstracts or outlines must be submitted by 1 November, 1982; final paper selection will be made by 1 December, 1982. Papers accepted for presentation will be considered for publication at a later date. Contact:

Alice C. Hudson
Map Division, New York Public Library
Fifth Ave. & 42nd St.
New York, NY 10018

Honors

David K. Carrington has been chosen to receive the 1982 Honors Award for achievement by the Special Libraries Association, Geography and Map Division. Mr. Carrington is head of the Technical Services Section of the Geography and Map Division of the Library of Congress. His contributions to map librarianship are numerous; perhaps the most important being his successful direction of MARC Map (the standard format for computerized map records) through its developmental phase. In recognition of this special project he was awarded the Library's Meritorious Service Award in 1970. Mr. Carrington's bibliography includes *Map Collections of the United States and Canada* and *Data Preparation Manual for the Conversion of Map Cataloging Records to Machine-Readable Form.* His active involvement in professional organizations and publications in professional journals are an indication of his commitment to the field. We extend our congratulations and wish him continued success in his profession.

On May 16, 1982, William Patterson Cumming received an Honorary Doctor of Letters degree from the University of North Carolina at Chapel Hill. Mr. Cumming began teaching English literature at Davidson College, his *alma mater,* in 1927, and served as department chairman from 1961 to his retirement from teaching in 1968. His research into the early maps of North America and the South have made him a pre-eminent figure in the history of cartography. His many works on the subject include: *The Southeast in Early Maps (1958), North Carolina in Maps (1966),* and his Nebenzahl lecture at the Newberry Library, *British Maps of Colonial America (1974).* Mr. Cumming has been a Guggenheim Fellow, a Fulbright lecturer, and past president of both the Historical Society of North Carolina and the South Atlantic Modern Language Association.

Calendar

16 September
Chicago Map Society, Newberry Library. Speaker: Christopher Scotese, University of Chicago. Topic: The Paleogeographic Atlas Project, with Computer Animation of Continental Motion.

17-19 September
British Cartographic Society Technical Symposium and Annual Meeting, St. Andrews, Scotland. (Alan S. Collinson, 14 Tranquility Ave., Crossgates, Leeds, 15)

19-24 September
American Congress on Surveying and Mapping-American Society of Photogrammetry Fall Convention, Hollywood, FL. (Edwin R. Brownell, 3152 Coral Way, Miami, FL 33145)

(continued on next page)

21 October

Chicago Map Society, Newberry Library. Speaker: Josef Konvitz, Michigan State University. Topic to be announced.

21-24 October

North American Cartographic Information Society Annual Meeting, Washington, D.C. (Donald Daidone, Newman Library, Virginia Tech University, Blacksburg, VA 24061; (703) 961-6131)

18 November

Chicago Map Society, Newberry Library. Speaker: John Long, The Newberry Library. Topic: Captain John Smith and the Pilgrims: The Cartographic Connection.

9 December

Chicago Map Society, Newberry Library. Speaker: David Peirce, Harvard University. Topic: The Cartography of Imperialism: Mackinder and *Geopolitik*.

Summer Institute in Cartography
The Newberry Library
June 1982

Front Row (left to right): Jeanette Rice [Institute Coordinator], Earl Reitan, Macel Wheeler, George Pilcher, Nancy Kraft, Richard Burg, Linda Carlson Sharp, Barbara Rosenwein, Michael Swann, Robert Karrow [Institute Instructor], Charles Colley.

Middle Row (left to right): Thomas Gasque, Fred Baumgartner, Donald Daidone, Steven Hiller, David Hedrick, Robert Eskind, John Mahe, Linda Cranston, Muriel Strickland, Larry Herbst, Richard Eversole, Steven Miller, Robert Carriker, Michael Mikos.

Last Row (left to right): Philip Walker, David Buisseret [Director], Robert Sullivan, Paul Stout, John Long [Institute Instructor], Leo Mahoney, Gerald Hanson, Arthur Holzheimer [visitor], David Bosse [Assistant Map Curator].

Missing: Joseph Castle, Michael Masi.